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CENTRAL INTELLIGENCE AGENCY  
INFORMATION REPORT

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S-E-C-R-E-T

COUNTRY	Bulgaria	REPORT	
SUBJECT	Industrial Installations in Bukhovo, Sofia, Gabrovo, Dolni Dubnik, Pleven, Plovdiv, Dimitrograd, Shabla	DATE DISTR.	29 November 1956
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This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.  
THE APPRAISAL OF CONTENT IS TENTATIVE.  
(FOR KEY SEE REVERSE)

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report on:

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- a. Bukhovo uranium mining area, including sketch;
- b. The "Vasil Kolarov" Appliances Plant, a rubber plant, including sketches of the "Kolarov" Plant and other installations in Sofia;
- c. A Military Supply Plant and the "Galenus" Plant in Sofia, including sketch of installations in Sofia;
- d. The State Metal Plant in Sofia, including sketch of plant;
- e. The "Georgi Dimitrov" Plant in Sofia;
- f. The weapons and munitions factory in Gabrovo;
- g. Chemical plant and sugar mill in Dolni Dubnik;
- h. Spinning mills in Plevan;
- i. ~~Motor vehicle shop~~ ("Zavod 12") in Sofia;
- j. Radio station at Givitsa;
- k. Metal, rope, textile, chemical factories in Plovdiv;
- l. "Vulkan" Cement Plant and "Chervenkov" (now "Maritsa III") TETs in Dimitrograd;
- m. Additional plants in Sofia; and
- n. Shabla oil production.

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STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC				
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(NOTE: Washington distribution indicated by "X"; Field distribution by "#".)

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DATA ON INDUSTRY

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Uranium Mining Area at Buhovo (not shown on Map)

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This is a mining area whose exploitation is supervised by Soviet technical personnel. Special permits are required in order to enter this area. In fact, private citizens may proceed only as far as the new village of wooden huts located about 5 kilometers from the mining area, which is served by the Ianna railroad station and is connected to a asphalted road.

A description of the mining area follows (see the enclosed sketch No 2):

1. Area with 3 shafts.
2. Houses for miners.
3. Houses for Soviet personnel.
4. Area with an unspecified number of shafts.
5. Military motor pool and automotive repair shop, about 60 x 40 meters.
6. Barracks of guard unit, about 400 men strong, under the command of a captain.
7. Border guard barracks, housing between 350 and 400 men assigned to guard the area.
8. Uranium processing installations, identifiable by the existence there of a very high smokestack.
9. House for Soviet personnel.
10. House for miners.
11. Area with shafts.

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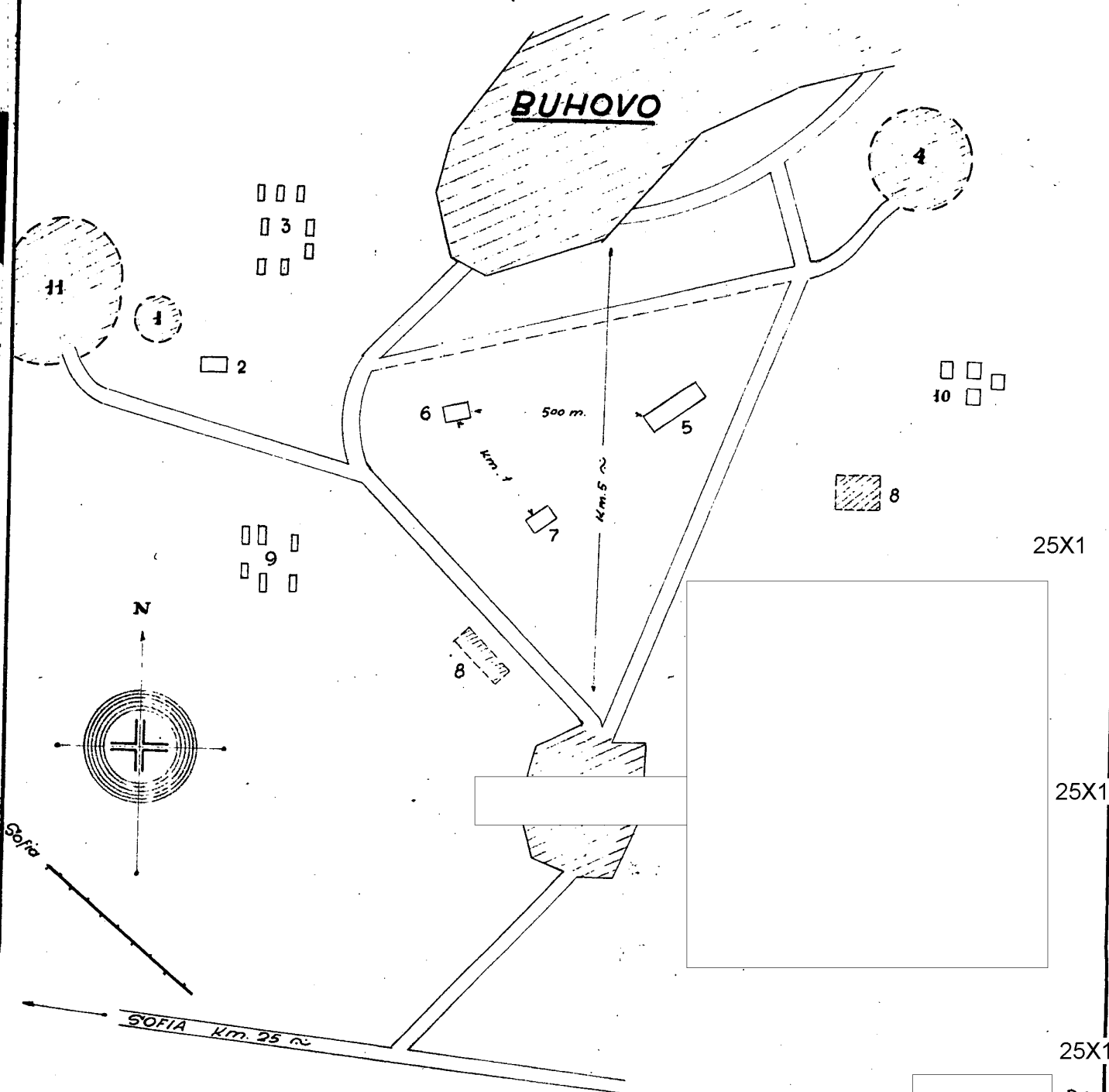
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DATA ON ELECTRICAL ENGINEERINGBURNER PLANT AT SOFIA, BULGARIA

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"VASIL KOLAROV ELECTRICAL ENGINEERINGPLANT AT ILIYANTSI (SOFIA) (1956)Location and Background

Subject plant, Elektro Promishlenost "Vasil Kolarov" ("Vasil Kolarov" Electrical Engineering Plant), is located at Iliyantsi (not shown on map), a suburb of Sofia located about 5 kilometers north of that city. The plant occupies an area of about 2 square kilometers and extends between the Sofia-Iliyantsi highway and the railroad line between Birshtitsa and Vrabnitsa (both suburbs of Sofia).

The plant was built under the first 5-year industrial plan and began to operate at the end of 1949. It comes under the jurisdiction of the Ministry of Electrical Industry.

Personnel

The plant's manager is one Nako Shopov, a former worker, who replaced engineer Petur Bogovet, who is currently commercial attache in East Germany.

The plant's supervisors are Bulgarian technicians. The plant employs about 2,000 workers.

Production

The plant semifinishes and assembles the following items: electric transformers; electric motors; electric power generators; electric switchboards; and other electrical equipment.

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The plant produces "El. Prom. Vasil Kabanov" brand electric transformers of from 20 to 110,000 kilovolt-amperes.

The plant has an inspection commission which inspects its finished products. This commission is headed by an official of the Ministry of Electrical Industry, the plant's manager, and a foreman.

[redacted] owing to haste, the plant's products are not of the quality expected of them, but nevertheless inspection discards are very few.

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The plant operates on the basis of orders received from abroad and of national needs. The work is scheduled on the basis of monthly production plans to be fulfilled through work norms.

The materials produced do not cause any halt in production since they are immediately shipped by rail to destinations [redacted]

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The plant's products go to the domestic market, as well as to [redacted]

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[redacted] China, and the USSR.

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The electric motors produced by the plant are for industrial use and are based on a Soviet model. [redacted]

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[redacted]

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The power generating equipment produced by the plant consists of rectifiers, dynamos, and alternators.

The switchboards produced by the plant consist of panels with control devices and are for electric power plants.

#### Raw Materials Used by Plant and Origin Thereof

Copper wire: from the "Bakarena" Plant, Sofia.

Insulating cardboard: a shipment arrived [redacted]

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[redacted] in February-March 1956.

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Iron plate, from .3 to .5 millimeters thick: from abroad (countries unidentified).

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Special cooling oil obtained through the distillation of petroleum: probably from Rumania.

Other insulating material (mica): from the USSR.

[redacted] work at the plant has to be suspended for a month or two nearly every year because of shortages of raw materials. This is allegedly due entirely to the fact that the Ministry of Electrical Industry is slow in placing orders for raw materials abroad.

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#### Description of Plant

The plant is composed of the following installations (the list numbers below correspond to those which indicate the various installations in the enclosed sketch No 2):

1. Management and offices: a 4-story building of unspecified size whose principal entrance overlooks the street.
2. Workers dwellings: 2-story concrete buildings.
3. Assembly shop: a vast one-story building with a shed, supported by concrete pillars, in front. This building houses the plant's transformer and motor assembly operations and is equipped with an unspecified number of lathes, drills, and milling machines in addition to its regular machinery, produced by the "Vasil Kolarov" plant itself.

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5. Oil storage tank: an iron tank of unspecified size [for machine-cooling oil].

6. Storage tank under construction: area reserved for the construction of an additional storage tank for machine-cooling oil.

7. Recreation rooms: housed in a one-story building.

8. Railroad spur line: a one-track line.

9. Athletic field.

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10. Air raid shelter under construction: an underground structure located opposite the plant's operating components.

11. Dump area for waste.

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#### Workers' Wages

On the average, workers receive about 800 leva monthly, although stakhanovites may earn as much as 1,100 leva monthly.

Workers receive only 70 percent of their base pay whenever the plant has to suspend operations because of shortages of raw materials.

### RUBBER PLANT

#### Name and Location

The plant's name is "Kauchukov Zavod" (formerly "Bakis"). It is located at Voyna Rampa, near the railroad station.

#### Production

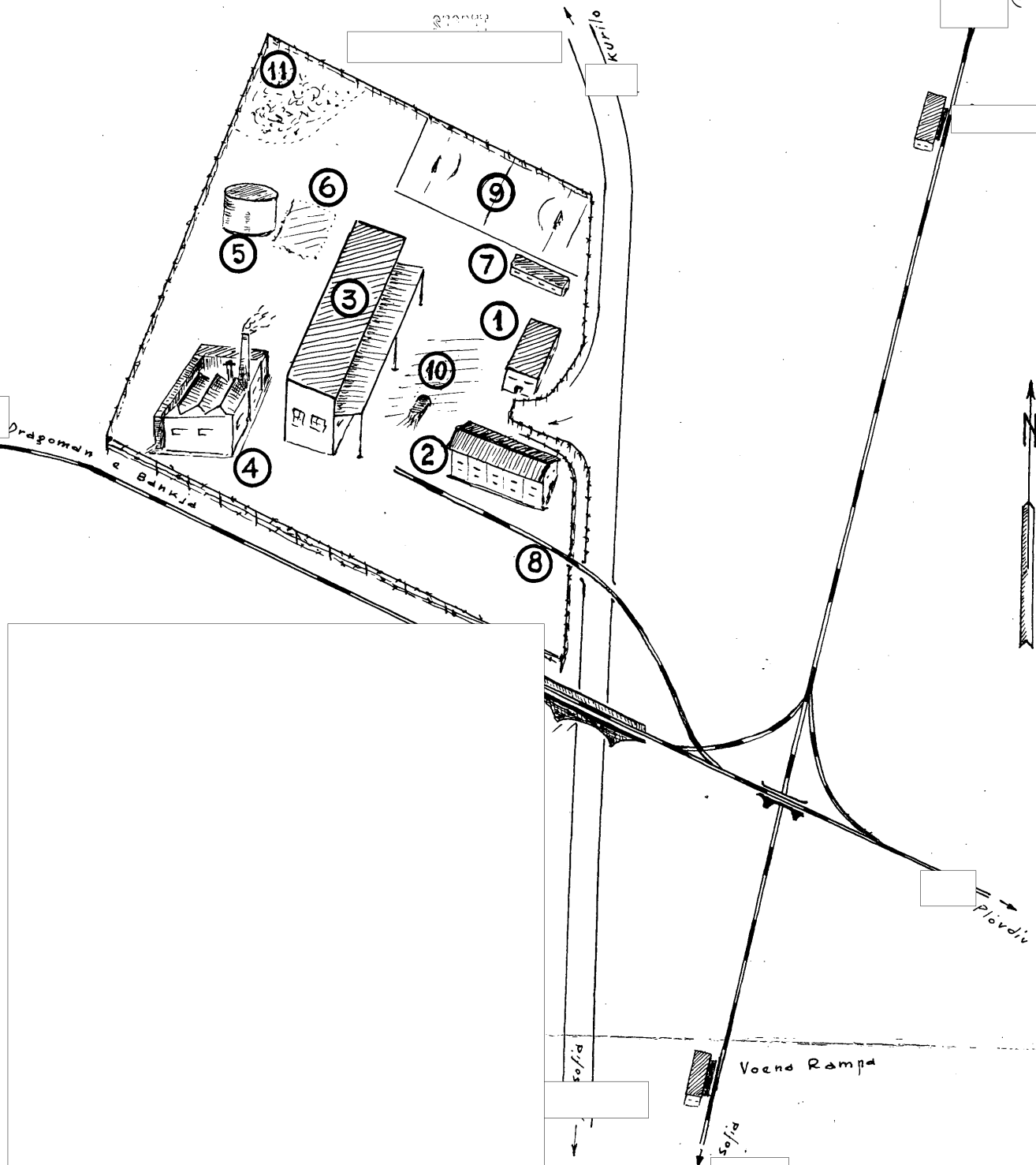
The plant produces the following items: pneumatic tires for motor vehicles and tractors; rubber shoes; and [rubber] boots.

#### Personnel

The plant employs about 1,000 workers.

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VASSILI KOLAROV



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*Viktor Ivanov*  
Novot-Sorogovsk Zavod (Military Supply Enterprise) at Sofia

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Subject plant operates in conjunction with the "Deryavni Metalni Zavod," with which it has been merged.

The plant is located at the corner of Hristo Botev Street and Bulevar Slivnitsa, and borders also on Sv. Kiril and M. Street.

The plant covers an area about 500 x 300 meters in size.

The plant operates on the basis of 3 work shifts daily.

The plant's manager, is Iliesar Buka Benaroi, who is also chief of the mechanics' and lathe operators' unit.

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There are about 500 workers, who wear a special uniform with belt and overseas-type cap.

The plant produces the following items: iron sheet metal, iron plates, wire, iron rounds, nails, and hooks.

Part of the plant's output goes to the Deryavai Metalni Zavod in Sofia.

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A description of the plant follows:

[Sketch showing plant layout]

1. Mechanics' and lathe operators' unit.

A one-story building with gabled, white-tile roof, about 200 x 60 meters in size. It has about 100 workers. The supervisor is Eliesar Benaroi.

The unit is equipped with the following machinery:

a. Bulgarian-made electric presses and hammers produced at the Zavod Voroshilov, located in the "Kaharna" (Sugar Mill) section of Sofia.

b. Bulgarian-, German- and Czechoslovak-made shearing machines.

2. Technicians' unit

A one-story building, with gabled tile roof, about 20 x 20 meters in size. It has about 20 workers and produces rounds, hooks, and nails.

3. Foundry and die unit

A one-story building, with gabled tile roof, about 300 x 20 meters in size. There is a smokestack which is about 15 meters high. The unit has about 10 workers and the following equipment.

a. Two modern electric furnaces of considerable capacity which produce a temperature of about 2,000 degrees [Centigrade].

b. A die unit interconnected with the foundry.

4. Finishing unit

[redacted] in this unit the plant's products are cleaned and finished, and [redacted]

the workers sometimes wear protective masks.

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5. Storage facility for residual and waste materials.

An old building, about 5 x 5 meters in size, with gabled tile roof. There are 3 workers.

6. Manager's office

A small one-story building.

7. Lathe operators' unit

An old building, about 300 x 150 meters in size, with gabled roof. There are 50-60 workers. The supervisor is Buga Benaroi. The unit is equipped with lathes of various types.

The plant receives its electric power supply from the Nadezda thermal-electric power plant.

The plant has about 15 motor vehicles of various foreign makes.

Workers' wages at the plant range, according to the workers' skills, from 700 to 1,000 leva per month.

Plant surveillance is entrusted to civilian custodians who wear the same uniform as the workers.

"Galenus" Pharmaceutical Plant in Sofia (1954)



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This is the most important pharmaceutical plant in Bulgaria. It was built after the war and began operations between 1950 and 1951. It is well maintained, modern, and hygienically perfect.

The plant is located on Ilievska Street, on which runs the only trolley bus line in Sofia.

[Sketch showing layout of plant]

The area in which the plant is located is at the center of a park which is about 200 x 250 meters in size.

At some distance around the main building there are some small one-story villas (cottages) occupied by employees of the "Galenus" plant.

The plant's manager until 1954 was one Ivan Bogdanov.

The plant employs about 450 persons, including 120 technicians. The plant operates on the basis of a single work shift daily, from 08:00 to 16:30 hours with a half-hour break for lunch in the factory mess.

The plant produces tablets of various types, syrups of various types, powders for capsules, vials, injection equipment, etc.

The plant's products go to Sofia's main pharmacy, which is located in the Lenin (formerly Zveta Nedelia) section of the city, has a large warehouse, and supplies pharmaceutical products to the various pharmacies in Sofia and perhaps throughout Bulgaria.

The plant is a modern 3-story building, with an underground level and a terrace roof, about 200 x 200 meters in size.

The plant's layout is as follows:

1. Underground level and first floor:

- a. Storage facility for finished products
- b. Room where bottles, vials, and other objects are washed and sterilized.

c. Mess hall.

2. Second floor:

- a. Packing unit
- b. Unit which prepares tablets and other solid medicines
- c. Tonics and syrups unit
- d. Vials and syringes unit
- e. Sterilization, vial sealing, and inspection unit.

3. Third floor:

- a. Administrative offices and management
- b. Unit which produces syrups and tablets. It employs 40 pharmacists.

The plant has a large number of motor vehicles.

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A woman worker assigned to wash vials receives 12 leva per day.

The plant is guarded by armed militiamen.

"Elkoop" Electric Cooperative in Sofia (July 1954)

It is located at No 6 Kaloyan Street, Sofia. It employs about 40 workers. Its manager is one Varsanov. It operates on the basis of a single 8-hour work shift daily.

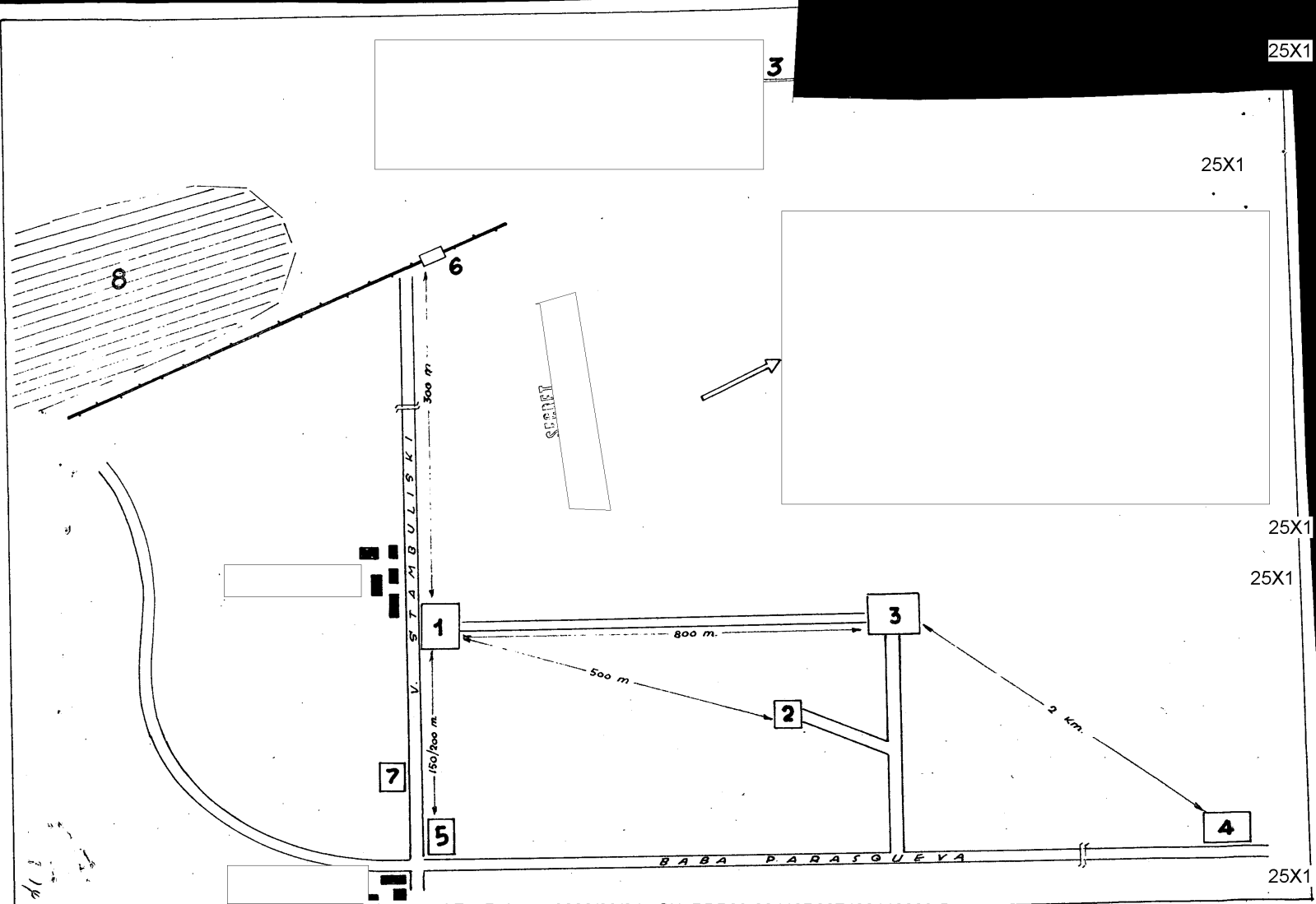
The cooperative repairs electric motors and effects electric installations

[Sketch shows layout of cooperative]

A description of the cooperative follows:

1. Robinasca Rabotilnica (Coil shop). A building about 40 x 15 meters in size, with gabled tile roof. There are 12 workers.
2. Bulb manufacturing unit. A one story-building, about 30 x 8 meters in size, with gabled tile roof. It employs 25 workers.
3. Repair unit. A one-story building, about 20 x 8 meters in size, with gabled tile roof. It employs 30 workers.
4. Management. A building, about 20 x 12 meters in size, with gabled tile roof.

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*Metalen*  
"Darya in Metalen Zavod" (State Metallurgical Enterprise) at Sofia

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Subject enterprise was originally called "Viktoria," then became known as "Enail," and finally, in 1954, was given its present name.

The plant is located in the Ilienzi section of Sofia, at the last stop on streetcar line No 6 (see enclosed sketch No 4).

The plant covers an area about 1 x 1 kilometer in size, which is completely enclosed by a wall 2 meters high.

The plant's supervisory personnel is almost entirely military. The manager is reportedly a Bulgarian. It employs about 5,000 workers.

The plant produces the following items:

1. For civilian use: kitchen utensils, lathes of various sizes, iron [steel] axles, and roller bearings and iron wheels.
2. For military use: pistols, bombs, medium-caliber cannon, and 72-round Soviet-type automatic [rifles?].

The plant receives steel from the USSR and the Satellites.

The plant has a number of surface buildings and three underground levels. Items for civilian use are produced in the surface buildings, while military items are produced underground (see enclosed sketch No 4).

In substance, there are 4 identical buildings, several stories high, each about 500 x 30 meters in size. The area of these buildings is reportedly enclosed by an inner wall (b). The area is sloping, so that in order to reach

the higher buildings, workers use two large stairways (c). The three underground levels are located in area (d). The main entrance is indicated by the letter (e), the management building (10 x 10 meters) by the letter (f), the secondary entrances by the letter (g), and the access to the stairways to the underground levels by the letter (h).

The electric power used by the plant is 22--volt current supplied by Sofia's Nadezda thermal-electric power plant.

The plant has about 100 Zis, Ford and Skoda trucks, plus an unspecified number of Soviet-made jeeps based on the American model.

The plant's air raid shelters, located near the plant, consist of 2-3 electrically lighted tunnels.

Every so often air raid drills are held and the workers are sent to the shelters for a very short time.

In the plant there are between the two enclosing walls some antiaircraft gun emplacements.

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**DERJAVNI METALNI ZAVOD „EX VIKTORIA“**  
**EX EMAIL**

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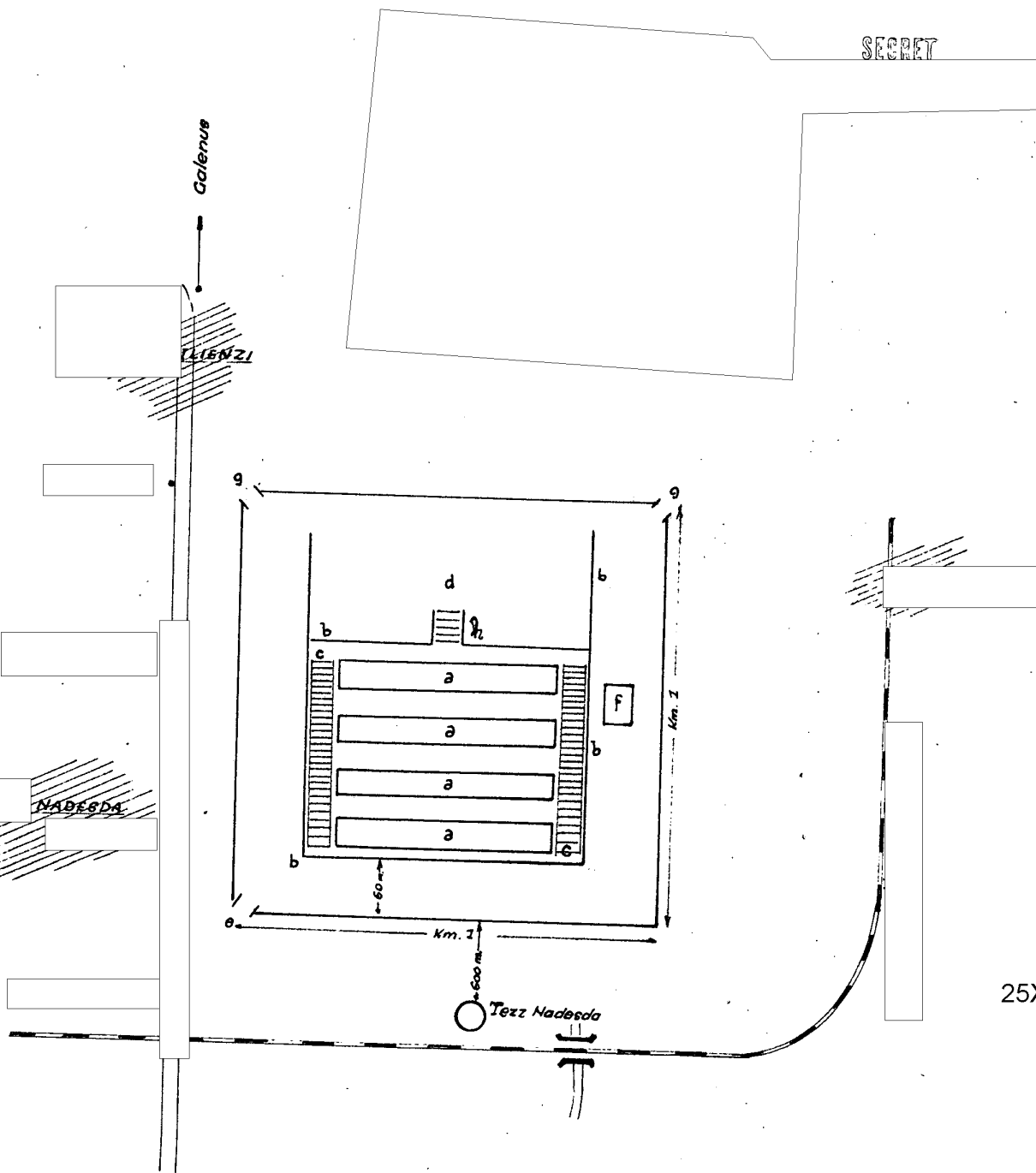
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Subject : ~~Military Information~~

a) "Georgi Dimitrov" Factory in Sofia

This factory is near the main railroad station and from 1953 through 1955 the plant facilities were enlarged. New workshops, a new warehouse, and several apartment houses for the workers, were built.

Between 5,500 and 6,000 workers and from 350 to 400 technicians and administrative employees work here. A group of approximately 20 Soviet technicians and specialists supervise and check the production.

One of the new buildings houses a research laboratory which is in charge of Soviet officials. [REDACTED]

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[REDACTED] strict security precautions in force. [REDACTED] new industrial processes and techniques are tested in this experimental project laboratory.

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Factory Production

Steam and diesel locomotives,

Four and eight - axled railroad cars,

Freight cars and cars for heating

Electric motors for streetcars and trolley-buses,

Diesel and internal-combustion motors for tractors,

Tractors for agricultural use and for hauling heavy

artillery pieces,

Armored cars,

Tanks, similar to the Soviet T - 34.

All of the preceding manufactured products are also repaired at the "Dimitrov" factory, and replacement parts for these items are also built. There are three shifts of eight hours each. The factory is well managed and highly efficient.

Stationed at the factory is a military commission in charge of a Bulgarian Army Major assisted by a Soviet Captain who acts as an adviser.

**b)- Weapons and munitions factory at Gabrovo.**

This establishment is located in the northern outskirts of Gabrovo about 800 to 900 meters east of the main railroad depot.

The main building is U shaped, has four floors and measures 550 by 600 by 300 meters. Recently a group of new workshops has been built. Several of these are nearing completion. New industrial machinery from Czechoslovakia and East Germany is being installed, while the old machinery is gradually being replaced and by mid-1957 the change over to new equipment should be completed.

A railroad trunk line, about one and one-half kilometers long, connects the main railroad station of Gabrovo with the factory.

Factory manager ; Krsto Lasevov.

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Assistant manager and  
Head Engineer

: Kiril Stavarov.

Assistants

: about 30 Bulgarian technicians  
and engineers along with about  
60 Soviet engineers and work-  
shop foremen.

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Administrative personnel - about 300 Bulgarians.

Labor force - about 4,600 to 4,800 workers.

Apprentices - approximately 250.

Security detail - about 30 Bulgarians divided among  
agents in civilian clothes and  
industrial armed plant guards.

Chief Soviet technician - Colonel Jeftimov David Aleksandrovic,  
who is assisted by Major Fjodor B.  
Mihajlovic, also a Soviet national.

Soviet inspection team - headed by Major Kostja S. Arvramovic,  
assisted by five other officers in-  
cluding a Lt. Sergejevic Mihail  
Telcok.

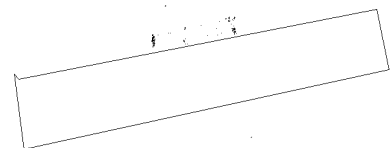
The factory is highly efficient, well managed and employs  
its laborers in two shifts of eight hours each.

#### Factory Production :

"Moslicher" rifles for the Bulgarian Armed Forces,  
Automatic rifles copied after Soviet and German models-  
annual rate of production runs about 2,500 rifles,  
Light mortars, and heavy (120 millimeter caliber) mortars-  
these are modelled after Soviet types,  
Antiaircraft weapons, 88 millimeter - annual production  
runs about 350 pieces,  
Artillery weapons : 52,56,76,105, and 105 millimeters  
caliber. Similar to Soviet pieces of the same calibers.

Bulgarian steel plants and foundries supply a portion of  
of the raw material used in the "Dimitrov" factory, while  
a part is imported from Czechoslovakia.

Ammunition without powder charges <sup>is</sup> ~~and~~ manufactured for  
all these weapons listed previously. The shells are filled



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in other Bulgarian factories.

A new Soviet-run technical and chemistry laboratory is in operation in the factory area. No Bulgarians can enter the new building, and even Bulgarian technicians are excluded.

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ECONOMIC INFORMATION

Industry

Chemical Plant at Dolni Dubnik (February 1956)

(Note: Dolni Dubnik, not shown on the map, is located about 4 kilometers west of Jasen, on the railroad line leading to Sofia. [redacted])

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[redacted]  
This is a new plant which was completed in spring 1954 and began operation in April or May 1954.

It is located near the Dolni Dubnik railroad station.

Sugar Mill at Dolni Dubnik (February 1956)

It has been in existence since before World War II.

It employs a maximum of 200 workers at the seasonal peak.

Spinning Mill at Pleven (February 1956)

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[redacted]  
This mill is located on the eastern outskirts of Pleven. It is an old installation and employs about 200 workers.

Spinning Mill at Pleven (February 1956)

This mill is adjacent to the mill described above.

It is a newly built installation which was completed in 1953.

It employs about 200 workers and produces linen cloth and woolen and cotton textiles.

Motor Vehicle Repair Shop at Sofia (January 1956)

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[redacted]  
The shop is located on 9 September Boulevard, adjacent to the road leading to Knjazovo, near Sofia's civilian hospital.

This plant is located about one kilometer from the right side of the Sofia-Knjazovo road, near the old monument in honor of the Russians.

The plant employs about 1,500 workers. Its technical managerial personnel are Soviet.

This is a war plant which, as far as is known, repairs motor vehicles and perhaps produces Soviet-type small arms.

It is called "Zavod 12."

It consists of several buildings [redacted] 25X1

The shop, which is managed by a civilian (unidentified) engages in the overhauling, repairing, and maintenance, including the rebuilding of truck and trailer bodies, of armed forces motor vehicles of every type, particularly Skoda, Tatra, and Ford. Not over 10 percent of the shop's total activity is devoted to motor vehicles of government agencies, enterprises, factories, private citizens, etc.

The motor vehicles received by the shop for repairs come from all over Bulgaria. [redacted] "Zavod 12" is the only in- 25X1  
stallation of its type in the country.

The shop employs about 1,000 blue-collar and white-collar workers. Its various departments operate on 3 work shifts daily.

Raw materials and spare parts are always available at the shop in greater volume than needed. Original spare parts for Tatra and Skoda vehicles are furnished by the Czechoslovak plants which produce these types of vehicles via the USSR. The other materials needed by the shop come from warehouses located in Bulgaria.

All personnel employed at the shop are civilians. However, there is permanently attached to the shop a military commission which inspects the military vehicles repaired there; no vehicle can leave the shop without the approval of this commission.

[redacted] two 25X1  
Soviet technicians there giving instructions concerning the execution of certain projects. These technicians wore civilian dress [redacted] 25X1

[redacted] 25X1

Miscellaneous

Newly Built Civilian Radio Transmitter at Grivitsa (February 1956)

A newly built radio transmitter, called "Sofia 4," was inaugurated at Gravitza in January 1956. It carries the same programs as "Sofia 1."



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In addition to this new transmitter, there are 3 more, as follows:

- a. "Sofia 1," located in Park Svoboda (Freedom Park), on the road leading to a former seminary.
- b. "Sofia 2" (or "3"), located at an unspecified point adjacent to the Sofia-Pleven railroad line.
- c. "Sofia 3" (or "2"), whose location is not known



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**I - Industries**

**Steel and metallurgical plant at Plovdiv**

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Located on the outskirts of the city, near the railroad station in the "Hristo Botev" section, this plant was enlarged and modernized in the post-war period.

This plant, named "Balkan", employs about 1500 workers.  
Output of the plant includes :  
    "Mannesman" type tubing,  
    Nails,  
    Metal containers of different types.  
None of the plant production is for foreign export.

Rope and cord factory at Plovdiv

This factory is located in the vicinity of the "Balkan" plant. It is an old factory which has been modernized and enlarged in the post - war (World War II) period. Work was still in progress on this factory in September 1955.

The factory known as the "9 September" establishment employs from 1000 to 1500 workers who work in three shifts.

Every type of rope and cord is produced. The bulk of production is for internal Bulgarian needs. However, a small portion of the production is exported abroad.

Textile plant at Plovdiv (spinning and weaving)

Near the "Filipovo" railroad station and bordering on the Plovdiv - Burgas rail line. (Burgas<sup>map</sup> coordinates are 81/30 - G.)

Known as the "Marica" plant this establishment was, prior to World War II, owned by private individuals. At that time it consisted of one building. After the war, and following State nationalisation of industry, the "Marica" plant was modernized, plant facilities were increased and several new buildings erected. New machinery,

for the most part of Soviet make, was installed. USSR assistance and interest was mainly responsible for the post-war development of this plant. In September 1955 workers' living quarters were under construction in close proximity to the plant. Other housing will be built after this initial group of dwellings is completed.

#### Work force

In September 1955 about 3000 workers were employed at the plant. According to rumors, the plant (within a short time) will <sup>employ</sup> ~~accommodate~~ 5000 workers.

#### Plant activity

There was reduced activity until 1953 when a gradual pick-up in plant production commenced. At present the plant is working at full capacity.

#### Production ( already reported in past)

Every type of cloth, both white and colored, and measuring up to 140 centimeters in width. Plant production, in general, is high in quality and is sought after by consumers.

#### Raw material used

For the most part, cotton imported from the USSR

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is used in the manufacture of the finished cloth.

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#### Destination of the plant production

A very small amount is for consumption in Bulgaria.

Most of the cloth is exported to countries in East Europe.

#### Chemical Plant at Plovdiv

This plant is about 1,500 meters beyond the "Marica" textile plant, and adjoins the Plovdiv-Burgas rail line. Of recent construction, this plant commenced operations between 1952 and 1953.

About 400 workers are employed here. The plant is known as the "Agro Himickaia Industria".

#### Activity

Extraction of chemical products from tobacco to be used in the chemical industry and also in the pharmaceutical industry.

Production of fertilizers, fungicides, and pharmaceuticals. [ ] two items made here : a hemorrhoid remedy called "Rectan" and a "chemical soap" used to cure scabies and skin diseases in animals etc.

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#### Rice husking and polishing plant at Plovdiv

This old plant is near the "Agro Himickaia Industria" plant. Unlike other Bulgarian plants it was not enlarged after World War II but merely repaired. Employed here, are about 300 to 400 workers. The rice is raised in Bulgaria. [ ] a portion of the processed, finished rice is exported to East European countries.

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Subject : Bulgaria - The "Vulkan" cement works  
and the "Acs" tube plant at Dimitrovgrad.

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[REDACTED]

The "Vulkan" and "Acs" plant are part of the new industrial center of Dimitrovgrad located on the Plovdiv-Simeonovgrad railroad line.

The "Vulkan" plant is the largest of its kind in Bulgaria and has three rotary cement mixers. Three cable railways were built in 1955 for the transport to the plant of the stone quarried from the nearby mountains.

Approximately 1400 workers are employed at the "Vulkan" plant in a single 8 hour shift. Every day personnel of the plant must attend a 2 hour lesson in political doctrine. All personnel must contribute one or two days voluntary work without compensation.

The "Acs" factory which manufactures asbestos cement pipes is located near the "Vulkan" cement works. "Acs" turns out 50 different varieties of asbestos cement pipes [REDACTED]. About 400 workers are employed.

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The "Acs" factory built the tubing for the Beveve airfield.

A security detail operates at both of these plants. This detail is made up of many Militia uniformed guards and agents.

Pay scales

Both factories pay their personnel as follows :

- workers : from 15 to 19 leva per day ;
- foremen : from 21 to 28 leva a day ;
- technicians and engineers : from 850 to 1200 leva a month ; and,
- supervising engineers : from 1500 leva a month with free living quarters provided.

Managers of these two plants reportedly receive 2000 leva a month and they also are assigned an automobile plus a heated villa.

- E N D -

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25X1

This plant supplies electric power to industrial installations established in Dimitrovgrad since 1950.

The plant is located about one kilometer southwest of the new Dimitrovgrad railroad station, south of the "Stalin" chemical works (see section B of the enclosed sketch No 1).

The plant occupies an area about 800 x 500 meters in size. There is a one-story brick building, with saw-tooth roof and skylights, which houses the coal-operated steam boilers, electric power generators, and power control installations.

The plant is subordinate to the Ministry of Electrification. Its manager is engineer Mirko Todorov.

Ten technicians came from the USSR to supervise the establishment and operation of the plant.

The plant employs about 400 workers, including a rather large number of women, and operates on the basis of 3 work shifts daily.

The plant has an installed power of 50,000 kilowatts and produces 6,000-volt current which goes to the various plants in Dimitrovgrad and the neighboring villages.

A description of the plant follows:

1. Coal-operated steam boilers which feed two 25,000-kilowatt "Stilo" turbines produced by the Soviet plant "Kirov."
2. Control installations.
3. Generators.
4. Water purifier, housed in a one-story building, about 20 x 12 meters in size, with gabled tile roof.
5. Water-colling tower, made of concrete, gray in color, about 50 meters high.
6. Offices, housed in a building which is 20 x 12 meters in size and has a gabled tile roof.
7. Transformers.

The plant is guarded by special service troops. A special pass is needed to enter the plant.

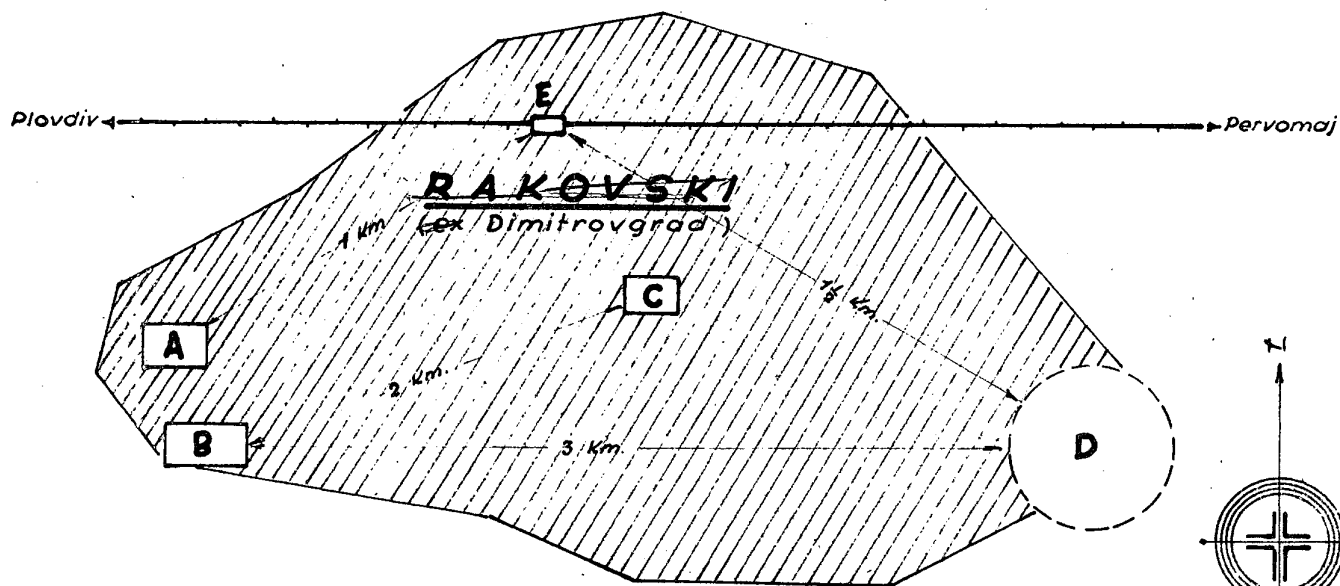
25X1

n. 1

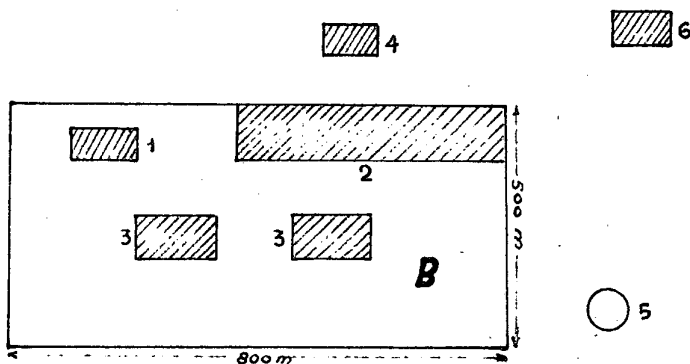
*Dimitrovgrad*  
**RAKOVSKI**

25X1

25X1



25X1



SECRET

Zavod "Uchtechprom" at Sofia

*Additional Plans*

*Sofia*

25X1

25X1

The Zavod "Uchtechprom" is a training establishment for apprentice carpenters, opticians, smiths, lathe operators, motor mechanics, etc. Graduates of the 3-year course are classified as skilled workers.

The establishment is located at 3 A. Stambuliski Boulevard, near the sugar mill, toward the outskirts of Sofia, in the area served by streetcar line No 3 (see the enclosed sketch No 3).

- 3 - SECRET

25X1

The area occupied by the main building, which is 3 stories high, the adjacent courtyard, and the secondary buildings, is about 70 x 50 meters in size.

The school's director is one Raychev, a Bulgarian.

The number of apprentices comes to about 700, who produce the following items: 4-piston cylinders, microscopes, laboratory equipment, thermostats, burners for chemical analysis, equipment for chemical testing, etc.

The school's products are sold to private citizens or laboratories of institutions of learning. The cylinders are sold to war plants.

The layout of the establishment is as follows:

A. 1st floor:

1. Electric power unit for the entire establishment, containing electric switchboards and transformers, tended by only 2 workers.
2. General storage space.
3. Room of designers who work for aluminum pattern makers: a one-story unit, about 10 x 5 meters, with shed roof. In it apprentices study and measure the strength of various alloys of the materials which are also used in the aircraft industry.

[Sketch of first floor layout]

4. Coal storage installation: a wooden hut about 10 x 5 meters in size.
5. Timber and lumber storage installation, about 20 x 12 meters in size, with gabled tile roof.
6. Hut for storage of gasoline, kerosene, and gas.
7. Electric welding and oxygen-producing unit, 4 men strong.
8. Glass shop, with 12 workers.
9. Office of the supervisor of the glass shop.
10. Carpentry shop, about 12 x 6 meters in size, with 24 workers.
11. Carpentry unit, with 30 men.

25X1

12. Furniture-making unit, with 20 workers.
13. Rough-work unit, with about 40 workers.
14. Chemical analysis unit.
15. Central laboratory for chemical analysis, staffed by 8 persons.
16. Storage for chemical materials, with a staff of two persons.

B. 2d floor:

17. Physics laboratory, with 17 workers.

25X1

18. Training laboratory for thermostats and for the study of resistances, with 6 workers.

19. Lathe shop, equipped with 8 Soviet-made lathes and one Czechoslovak-made cutting machine. There are 16 workers and 7 apprentices.

20. Shop for production of electric resistors ("resistors") and preparation of electric installations.

21. Office of supervisor of abovementioned shop, one Nikolai Genadyev.

22. Silver-plating unit.

23. Chromium-plating unit.

24. Machine shop, equipped with 18 automatic, semiautomatic and ordinary lathes, and one iron-cutting machine. There are 22 worker instructors.

25. Shearing machine and press unit, equipped with 7 electric presses, 4 magnetic shearing machines, 4 milling machines, and one electric sheet-metalcutting knife. There are 25 worker instructors.

26. Optical unit, whose main activity consists in assembling microscopes. There are 9 worker instructors.

27. Microscope experimentation unit, with about 20 worker instructors.

28-29. Electric installation and glass-blowing units. There are 8 worker instructors and 9 apprentices.

30. Office of the head of the optical unit.

31. Lense-testing unit, with equipment for testing lenses. There are 16 instructors.

32. Physics laboratory, with a staff of 7 persons.

Third floor

25X1

33. Elevator.

34. Mess hall.

35. Kitchen.

36. Administrative and disbursing office.

37. Management and cashier's office.

38. Storage room for finished products.

39. Personnel office.

40. Party office.

41. Manager's office.

42. Die unit for bakelite products. There are four worker instructors who operate as many presses.

43. Die unit for bakelite products. There are four workers.

44. Packing unit, with 6 workers.

45. Physics experiments unit, with a staff of two technicians.

46. Projection unit for verifying and correcting work errors.

47. Natural history laboratory, which stuff birds, frogs and fish which are then sold to various schools.

48. Office of the establishment's doctor.

49. Mineralogical laboratory, which process mineral stones that are then sold to various schools.

50. Anatomical study and anatomical plaster models unit.

It is planned to enlarge the present main building and add new ones.

The area of the establishment is not enclosed by wall, fence or the like.

Three firemen take turns in providing fire and regular surveillance over the establishment.

~~SECRET~~

Nov. 1955 - Plant for assembly of radio amplifiers at

25X1

25X1

-2-

Location

Between the towns of Omega Kupel and Buxton, at the tram stop on line No. 5 that runs from Sofia to Knjazovo (81/36-b).

Name

"ZAVOD ~~EL~~ RADIO PROM" - (abbreviation of PROMIS ~~EL~~ MOST).

Government radio factory.

It is a branch of the "ELPROM" establishment which produces radio apparatus and various kinds of electrical material.

Plant

One building of undetermined dimensions, which also contains the laboratory known as "CONSTRUKTIVEN ODEL", having attached to it a small building used for offices.

Manager

Engineer PEHLIVANOV

Personnel

About 60 persons, including:

- 5 engineers;
- about 20 skilled workmen;
- 35 common laborers.

Personnel are assigned only with the approval of the Ministry of Electrification, which controls "ELPROM", and therefore this plant.

Work shifts

The only shift is from 0800 hours to 1700 hours, with one hour off from 1200 to 1300 for lunch.

Production

Assembly of radio <sup>loud speakers</sup> ~~apparatus~~

~~They are called "GOVORITELI".~~

They are mounted in Bakelite cases.

These <sup>speakers</sup> ~~apparatuses~~, widely used in Bulgaria, are installed in the houses of the poorer citizens (especially in the country and in the towns) and connected to a radio apparatus which is usually located in the town hall or in some other public office. Thus, for a small cost, this enables the poorest people to listen to radio programs.

Total production

It varies between 50 and 100 pieces per day.

Maximum and minimum production are dependent upon the greater or lesser availability of materials.

Source of raw materials

Bakelite cases: from an undetermined factory in Ruse (81/21-B);

All other materials: from the aforementioned "ELPROM" establishment.

Present sales price of the <sup>speakers</sup> ~~apparatuses~~

About 60 leva.

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Nov. 1955 - Oil wells . . . . .

They continue to exploit the oil deposits in the zone mentioned in the report. These fields will be exhausted by 1960.

Amount of production

According to information which is attributed to rumors, the standard "yield" of the wells is:

"a well produces 3 tons in five minutes, and its average production during a 24-hour day is about 850-900 tons."

Refining

Refining is done in Rumania and partly in the USSR.

Transport of the raw product

The raw product is loaded onto tank cars and transported to Varna (81/32-d), where it is taken aboard a tanker.

Means of communication between the oil-producing zone and the port of Varna

To expedite and facilitate the transport of the product from Sabla to Varna, the road that links these two places was bituminized and increased to a width of 7-8 meters in 1953.

25X1